

**ABSTRACT**

In one embodiment, a system comprises logic configured to identify a tip of a pin that has been press fit into a circuit board, logic configured to measure characteristics that pertain to a flat end surface and a chamfered surface of the  
5 identified pin tip, logic configured to compare the measured characteristics with at least one of stored reference values and each other, and logic configured to make a final decision as to whether the pin is properly installed based upon results of the comparing performed by the logic configured to compare.